

Converting Colors

CIELCh(64, 31.831, 293.490)

Have a look what the booklet for
CIELCh(64, 31.831, 293.490)
contains.

CIELCh(64, 31.831, 293.490)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(64, 31.831, 293.490)

Conversions

Conversions Part 1

Format	Color
Hex	9696CF
RGB	150, 150, 207
RGB Percent	59%, 59%, 81%
CMY	0.4118, 0.4118, 0.1882
CMYK	0.28, 0.28, 0.00, 0.19
HSL	240°, 37%, 70%
HSV	240°, 28%, 81%
XYZ	34.7465, 32.8017, 63.5313
YIQ	156.4980, -18.2970, 17.7270

Conversions

Conversions Part 2

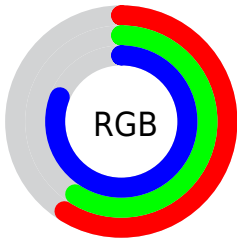
Format	Color
RYB	150, 150, 207
Decimal	9869007
CIELab	64.00, 12.69, -29.19
CIELCh	64, 31.831, 293.490
Yxy	32.8017, 0.2651, 0.2502
Android (android.graphics.Color)	4288059087 (0xFF9696CF)
YUV	156.4980, 24.8975, -5.6987
Hunter-Lab	57.2727, 8.0660, -25.6781

Details

The CIELCh color $64, 31.831, 293.490$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $82, 29.801, 107.521$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 26.973, 293.155$, and $44, 31.782, 293.934$ is the 20% darker color. If you saturate the color by 10%, you get $57, 44.329, 295.104$, and if you desaturate by 10%, it is $71, 19.851, 292.112$.

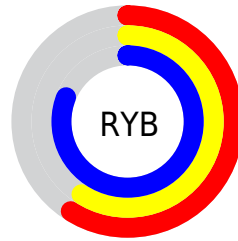
Distribution



Red (59%)

Green (59%)

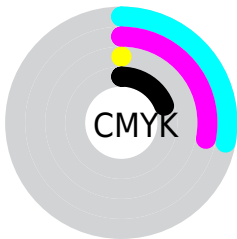
Blue (81%)



Red (59%)

Yellow (59%)

Blue (81%)

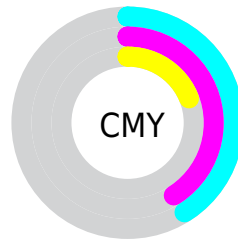


Cyan (28%)

Magenta (28%)

Yellow (0%)

Black (19%)



Cyan (41%)


Magenta (41%)

Yellow (19%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 31.831, 293.490 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 64, 31.831, 293.490 by changing the saturation by 10% instead.

 64, 31.831,
293.490


 64, 31.831,
293.490


 100, 31.831,
293.490


 54, 31.831,
293.490


 84, 31.831,
293.490

 44, 31.831,
293.490

 94, 31.831,
293.490

 34, 31.831,
293.490

 24, 31.831,
293.490

 14, 31.831,
293.490

 4, 31.831, 293.490

 0, 31.831, 293.490

64, 31.831,
293.490

64, 31.831,
293.490

57, 44.329,
295.104

71, 19.851,
292.112

50, 57.347,
296.969

78, 8.364, 290.947

85, 2.669, 109.924

44, 70.777,
299.058

92, 13.283,
109.102

37, 84.258,
301.271

98, 23.508,
108.388

32, 96.904,
303.393

99, 24.233,
108.340

28, 107.099,
305.096

26, 113.164,
306.094

25, 114.348,

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64, 31.831, 293.490



82, 29.801, 107.521

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 31.831, 293.490



64, 31.831, 343.490



64, 31.831, 113.490



64, 31.831, 163.490

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64, 31.830, 293.490



93, 10.528, 291.008



79, 19.122, 198.038



49, 7.504, 291.174



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64, 31.830, 293.490



73, 45.751, 294.406



66, 33.216, 310.394



40, 6.372, 291.151



19, 98.028, 306.287



1, 25.555, 293.216

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



69, 37.155, 325.931



80, 52.585, 326.238



80, 31.972, 127.796



41, 7.693, 324.935



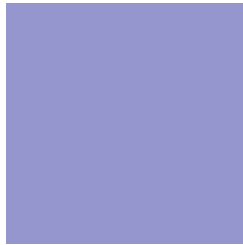
40, 84.659, 328.233



6, 31.113, 327.825

Previews

White Background



This preview shows how the CIELCh color 64, 31.831, 293.490 looks on a white background.

Color Contrast Check

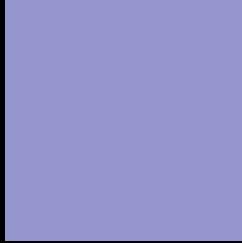
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 64, 31.831, 293.490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

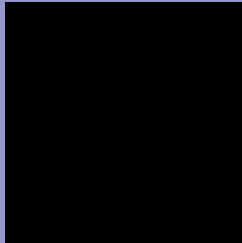
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 31.831, 293.490

Background



This preview shows how black text looks on a background with the CIELCh color 64, 31.831, 293.490.



This preview shows how white text looks on a background with the CIELCh color 64, 31.831, 293.490.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

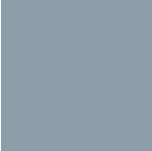
64, 31.831, 293.490

Protanopia

64, 31.390, 285.275

Deuteranopia

64, 29.652, 286.375



Tritanopia
64, 8.927, 253.654

Trichromacy



Original Color
64, 31.831, 293.490

Protanomaly
64, 31.285, 288.127

Deuteranomaly
64, 30.144, 288.993

Tritanomaly
64, 16.405, 280.868

Monochromacy



Original Color
64, 31.831, 293.490

Achromatopsia
65, 0.008, 296.813

Achromatomaly
64, 11.715, 291.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 31.831, 293.490 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(150, 150, 207)` looks like.

```
.text, #text, p{  
    color:rgb(150, 150, 207)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(150, 150, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 150, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 31.831, 293.490 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(150, 150, 207) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(150, 150, 207) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(150, 150, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 150, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 150, 207);  
box-shadow:4px 4px 4px 4px rgb(150, 150,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 31.831, 293.490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 150, 207) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(150,  
150, 207) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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